



5400 Glenwood Avenue, Suite 400  
Raleigh, North Carolina 27612  
tel: 919 787-5620  
fax: 919 781-5730

May 27, 2016

Mr. Matt Aufman  
North Carolina Department of  
Environmental Quality  
Pre-Regulatory Landfill Unit  
1646 Mail Service Center  
Raleigh, North Carolina 27699-1646

Subject: Work Plan for Task Orders 601RA-1, 601RA-1A, 601RA-2, and 601RA-2A  
Rolesville Dump  
Rolesville, Wake County, North Carolina  
Site Identification Number – NONCD0000601

Dear Mr. Aufman:

CDM Smith Inc. is pleased to submit this Work Plan for Task Orders 601RA-1, 601RA-1A, 601RA-2, and 601RA-2A dated May 10, 2016. Per the task orders, the following activities will be completed by CDM Smith:

- Task Order 601RA-1: Development of the draft Remedial Action Plan (RAP) which summarizes the site's history, environmentally sensitive areas, risks identified to human health and the environment, intended remedial action, and the remedial design for the waste disposal area located on Parcel Identification Numbers 1758985590 and 1768060947.
- Task Order 601RA-1A: Acquire any necessary permits required to implement the RAP.
- Task Order 601RA-2: Prepare bid specifications and work with the Pre-Regulatory Unit (Unit) to select and contract a qualified subcontractor to implement the RAP.
- Task Order 601RA-2A: Revise the draft RAP at the end of the 45 day public comment period as communicated by the Unit. Implementation of the remedy can begin upon approval of the final RAP.

The draft RAP will be submitted electronically within six weeks of receiving the notice to proceed. The final RAP will be submitted within two weeks of receiving comments from the Unit at the end of the 45 day public comment period.





Mr. Matt Aufman

May 27, 2016

Page 2

We look forward to working with you on this project and others. If you have any questions or comments, please do not hesitate to contact me by phone at (919) 325-3532 or by email to [weispfenningam@cdmsmith.com](mailto:weispfenningam@cdmsmith.com).

Sincerely,

A handwritten signature in blue ink, appearing to read "Aaron Weispfenning".

Aaron M. Weispfenning, P.E.  
CDM Smith Inc.

cc: Mat Colone, CDM Smith  
Daniel Forbes, CDM Smith



# Section 1

## Task Order 601RA-1 – Draft Remedial Action Plan

### 1.1 General

CDM Smith Inc. (CDM Smith) is pleased to submit this Work Plan for preparing a Draft Remedial Action Plan (RAP) for the Rolesville Dump (site) located in Rolesville, Wake County, North Carolina. This Work Plan was prepared in accordance with Task Order 601RA-1 dated May 10, 2016. All work for each task order will be performed by CDM Smith staff under the direction of a North Carolina licensed Engineer or Geologist. The scope of work and schedule are provided below.

### 1.2 Scope of Work

CDM Smith will prepare a draft RAP that summarizes the site's history, risks identified to human health and the environment, intended remedial action, and the remedial design. Key sections of the draft RAP are discussed below.

#### 1.2.1 Remedial Investigation Summary

The Remedial Investigation (RI) Summary briefly summarizes the key results of all remedial investigations associated with the site. Previous remedial investigation results and data that are provided on the North Carolina Department of Environmental Quality's (NCDEQ) Laserfiche Weblink will be reviewed and incorporated into the RI Summary section. The section will identify all releases of hazardous substances per media and potential exposure pathways. The section will follow the RI Summary template and will include the following sections:

- Section 1 – Introduction
- Section 2 – Sensitive Environments
- Section 3 – Geology and Hydrogeology
- Section 4 – Waste Disposal Area
- Section 5 – Media Characterization
  - 5.1 Soil Characterization
    - 5.1.1 Soil Remedial Goals
    - 5.1.2 Soil Sampling
- Section 6 – References

A search of Environmentally Sensitive Areas (ESAs) located within 500 feet of the waste disposal boundary will be accomplished by contacting the following agencies:

- National Park Service;
- North Carolina Department of Cultural Resources;
- North Carolina Division of Coastal Management;
- North Carolina Division of Conservation, Planning, and Community Affairs;
- North Carolina Division of Forest Resources;

- North Carolina Division of Parks and Recreation;
- North Carolina Division of Water Resources;
- North Carolina Wildlife Resource Commission;
- United States Army Corps of Engineers;
- United States Fish and Wildlife Service; and
- United States Forest Service.

### 1.2.2 Intended Remedial Action

The intended remedy is complete removal of surficial waste over the 0.17 acre waste disposal area located on Parcel Identification Number (PIN) 1758985590 and a small portion on PIN 1768060947 which is adjacent to PIN 1758985590 as shown on **Figure 1**. Soil samples previously collected from within the waste disposal area were all deemed to be non-hazardous based on the analytical data. Soil separated from waste will either be relocated on the site or disposed of at a Subtitle D landfill. All waste removed from the site will be disposed of at a Subtitle D landfill.

### 1.2.3 Remedial Design Summary

The remedial design summary will outline how the remedial action will be accomplished. Drawings will be prepared to illustrate the design and provided to subcontractors during the bidding phase. Each individual task necessary for cleanup will be discussed which may include, but is not limited to:

- Installation of erosion and sediment control measures;
- Permitting, as needed;
- Clearing and grubbing the waste disposal area;
- Removal or relocation of surface waste;
- Excavation and removal of buried waste;
- Asbestos management;
- Site security;
- Slope stabilization and erosion control;
- Grading the waste disposal area for proper drainage;
- Installation of an engineered landfill cover;
- Installation of structural fill, topsoil, and/or amended soil;
- Establishment of vegetative cover;
- Site inspections;
- Removal of erosion and sediment control measures; and
- Post-remedy monitoring.

## 1.3 Schedule

CDM Smith will submit the draft RAP to the NCDEQ's - Division of Waste Management – Superfund Section - Inactive Hazardous Sites Branch - Pre-Regulatory Landfill Unit (Unit) within six weeks of receiving Notice to Proceed.

## Section 2

### Task Order 601RA-1A – Permits

#### 2.1 General

CDM Smith is pleased to submit this Work Plan for preparing and acquiring all necessary permits needed to implement the RAP in accordance with Task Order 601RA-1A dated May 10, 2016. The scope of work and schedule are provided below.

#### 2.2 Scope of Work

CDM Smith has determined that it is unlikely any permits will be necessary to implement the RAP. Erosion and sediment control measures will be installed by the subcontractor, but an Erosion and Sediment Control permit is not required since the area of disturbance will be less than 1 acre. The Town of Rolesville has indicated a temporary driveway permit is not required, however they requested informing the Planning Department and the town right-of-way inspector prior to implementation of the intended remedy. Additional permitting may be necessary if ESA's are determined to be located within 500 feet of the waste disposal area.

#### 2.3 Schedule

Any required permitting based on the ESA research will be initiated during development of the draft RAP and acquired during the 45 day public comment period.

## Section 3

# Task Order 601RA-2 – Bid Specifications and Subcontractor Selection

### 3.1 General

CDM Smith is pleased to submit this Work Plan for preparing bid specifications and selecting a qualified subcontractor to implement the RAP in accordance with Task Order 601RA-2 dated May 10, 2016. The scope of work and schedule are provided below.

### 3.2 Scope of Work

Following approval of the draft RAP, CDM Smith will finalize drawings and prepare bid specifications setting forth the work in detail and prescribing work to be done, including materials; workmanship; special equipment; site work; landscaping; bidding information; subcontractor's proposal requirements; contract and bond forms; general and supplementary general conditions for the contract; and any and all other information required for receiving construction bids for implementation of the remedy.

Specifications shall be prepared for review and shall be subdivided into sections similar to Construction Specifications Institute standards. Review sets shall be complete with all forms and documents. Construction specifications will be based on CDM Smith standard construction specifications and will use CDM Smith standard specification format and Division 0 (e.g., standard forms of agreement, bid forms, bid bond forms, etc.) base documents. The technical specifications will detail the requirements of construction for the remedy.

CDM Smith will prepare an Opinion of Probable Construction Costs. CDM Smith will utilize construction cost estimators from our construction company subsidiary, CDM Constructors Inc., to provide estimated costs for the remedial action.

Once completed, bid documents will be issued by CDM Smith to four potential subcontractors. CDM Smith will schedule and conduct one pre-bid meeting at the site with prospective bidders to review the remedial action plan and clarify any questions or comments. CDM Smith will develop a matrix of received bids for comparison followed by meeting with the Unit project manager to review and select a subcontractor.

### 3.3 Schedule

Preparation of the bid specifications will begin upon approval of the draft RAP with bidding, subcontractor selection, and contracting with the subcontractor occurring during the 45 day public comment period.

## Section 4

### Task Order 601RA-2A – Final Remedial Action Plan

#### 4.1 General

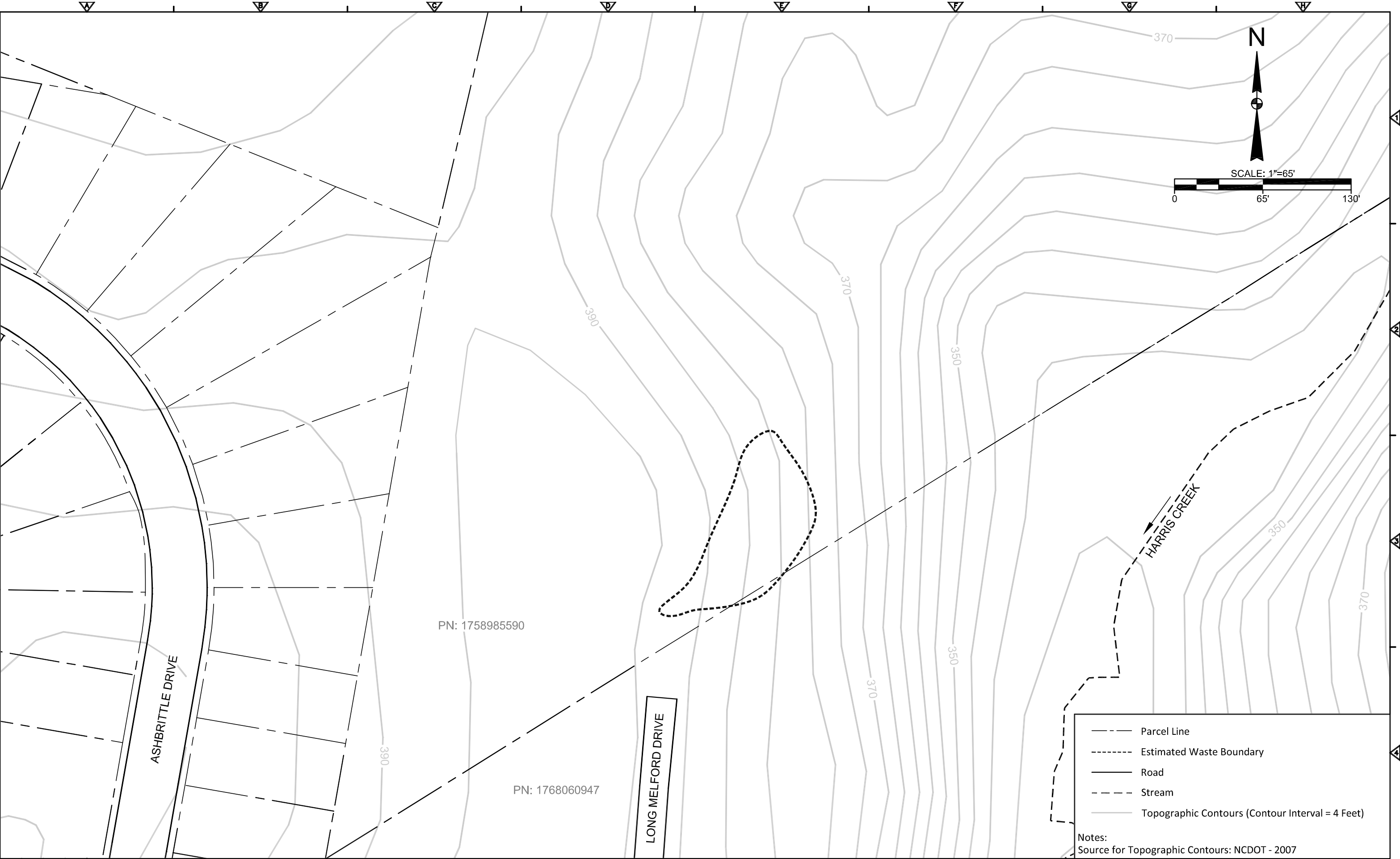
CDM Smith is pleased to submit this Work Plan for finalizing the draft RAP at the end of the public comment period accordance with Task Order 601RA-2A dated May 10, 2016. The scope of work and schedule are provided below.

#### 4.2 Scope of Work

At the end of the 45 day public comment period CDM Smith will make any modifications or revisions as communicated by the Unit to the draft RAP into a final document. Implementation of the remedy will begin upon approval of the final RAP.

#### 4.3 Schedule

Modifications and revisions to the draft RAP will be completed within two weeks of receiving comments from the Unit.



Parcel Line

Estimated Waste Boundary

Road

Stream

Topographic Contours (Contour Interval = 4 Feet)

Notes:  
Source for Topographic Contours: NCDOT - 2007

REV.	DATE	DRWN	CHKD	REMARKS	
NO.					

DESIGNED BY: **A. WEISPFENNING**

DRAWN BY: **A. WEISPFENNING**

SHEET CHK'D BY: **D. FORBES**

CROSS CHK'D BY:

APPROVED BY: **M. COLONE**

DATE: **MAY 2016**

**CDM**

**Smith**

Camp Dresser McKee & Smith

5400 Glenwood Avenue, Suite 400

Raleigh, NC 27612 | Tel: (919) 787-5620

NC F-0412

ROLESVILLE, WAKE COUNTY, NORTH CAROLINA

ROLESVILLE DUMP

(SITE IDENTIFICATION NUMBER: NONCD0000601)

SITE MAP

PROJECT NO. 127844-000000

FILE NAME: FIG 1.DWG

FIGURE

1